

FIG. 1 A: Full length Apo-A1 sequence

1
MKA AVL TLAVL FLTGSQARHFWQQDEPPQSPWDRVKDLATVYVD
VLKDSGRDYVSQFEGSALGKQLNLKLLDNWDSVTSTFSKLREQ LGPVTQEFWDNLEKE
TEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVEPLRAELQEGARQKLHE
194
LQEKLSPLGEEMRDRARAHVDALRTHLAPYSDEL RQRLAARLEALKENG GARLAEYHA
267
KATEHLSTLSEKAKPALEDLRQGLLPVLESFKVSFLSALEEYTKKLNTQ

sig_peptide 20..91

mature_protein 92..820

20 a tgaanctgc ggtgctgacc ttggcctgc tcttctgac
61 ggggagccag gctcggcatt tctggcagca agatgaaccc ccccagagcc cctgggagc
121 agtgaaggac ctggccactg tgtacgtgga tgtgtctaaa gacagcggca gagactatgt
181 gtcccagttt gaaggtccg ccttgggaaa acagctaac ctaagctcc ttgacaactg
241 ggacagcgtg acctccacct tcagcaagct gcgcgaacag ctggccctg tgaccaggga
301 gttctgggat aaactggaaa aggagacaga gggcctgagg caggagatga gcaaggatct
361 ggaggaggtg aaggecaagg tgcagcccta cctggacgac ttccagaaga agtggcagga
421 ggagatggag ctctaccgcc agaagggtga gccgctgcgc gcagagctcc aagagggcgc
481 gcgccagaag ctgcacgagc tgcagagaa gctgagccca ctgggcgagg agatgcgcga
541 ccgcgcgcgc gccatgttg acgcgtgcg cagcatctg gcccctaca gcagcagct
601 gcgccagcgc ttggccgcgc gccttgagge tctcaaggag aacggcggcg ccagactggc
661 cgagtaccac gccaaggcca ccgagcatct gacacgctc agcgagaagg ccaagcccgc
721 gctcgaggac ctccgcaag gctgtgtgce cgtgtggag agcttcaagg tcagcttct
781 gacgctctc gaggagtaca ctaagaagct caacaccag

FIG. 1 B

18K N-terminal fragment

25

DEPPQSPWDRVKDLATVYVD

VLKDSGRDYVSQFEGSALGKQLNLKLLDNWDSVTSTFSKLREQLGPVTQEFWDNLEKE

TEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVEPLRAELQEGARQKLHE

194

LQEKLSPLGEEMRDRARAHVDALRTHLAPYSDEL

92 gatgaaccc cccagagcc cctgggateg

121 agtgaaggac ctggccactg tgtacgtgga tgtgctcaa gacagcgga gagactatgt

181 gtccagttt gaaggtccg ccttgggaaa acagctaac ctaagctcc ttgacaactg

241 ggacagcgtg acctccacct tcagcaagct gcgcgaacag ctggccctg tgaccagga

301 gttctgggat aacctggaaa aggagacaga gggcctgagg caggagatga gcaaggatct

361 ggaggagggtg aaggccaagg tgcagcccta cctggacgac ttccagaaga agtggcagga

421 ggagatggag ctctaccgcc agaagggtga gccgtgcgc gcagagctcc aagagggcgc

481 gcgccagaag ctgcacgagc tgcagagaa gctgagccca ctgggcgagg agatgcgcga

541 ccgcgcgcgc gccatgttg acgcgtgcg cacgatctg gcccctaca gcacagagct

601 g

FIG. 1 C

13K N-terminal fragment --

25

DEPPQSPWDRVKDLATVYVD

VLKDSGRDYVSQFEGSALGKQLNLKLLDNWDSVTSTFSKLREQLGPVTQEFWDNLEKE

TEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVE¹⁴⁴

92 gatgaaccc cccagagcc cctgggacg

121 agtgaaggac ctggccactg tgtactgga tgtgtcaaa gacagcgga gagactatgt

181 gtcccagttt gaaggtccg ccttgggaaa acagctaac cttaagctcc ttgacaactg

241 ggacagcgtg acctccacct tcagcaagct gcgcgaacag ctggccctg tgaccagga

301 gttctgggat aaactggaaa aggagacaga ggcctgagg caggagatga gcaaggatct

361 ggaggaggtg aaggecaagg tgcagcccta cctggacgac ttccagaaga agtggcagga

421 ggagatggag ctctaccgcc agaaggtaga g

FIG. 1 D

13 K C-terminal fragment.

156

QKLHE

194

LQEKLSPLGEEMRDRARAHVDALRTHLAPYSDELQRQLAARLEALKENG GARLA EYHA

267

KATEHLSTLSEKAKPALEDLRQGLLPVLESFKVSFLSALEEYTKKLNTQ

485 cagaag ctgcacgagc tgaagagaa gctgagccca ctggcgagg agatgcgcga

541 ccgcgcgcgc gcccatgttg acgcctgag cagcatctg gcccctaca ggcagagct

601 gcgccagcgc ttggcgcgc gccttgagc tctcaaggag aacggcggcg ccagactgc

661 cgagtaccac gccaaagcca ccgagcatct gacacgctc agcgagaagg ccaagccgc

721 gctcgaggac ctccccaag gcctgtgcc cgtgtggag agcttcaagg ttagcttct

781 gagcgtctc gaggagtaca ctaagaagct caacaccag

Fig. 2

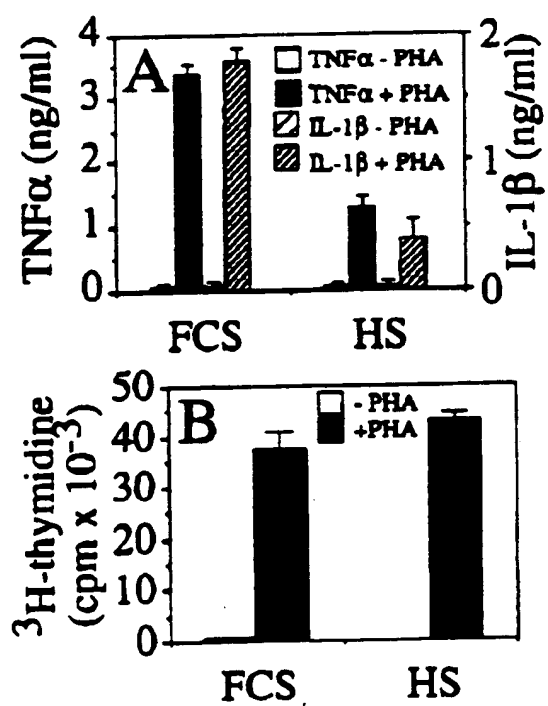


Fig. 3

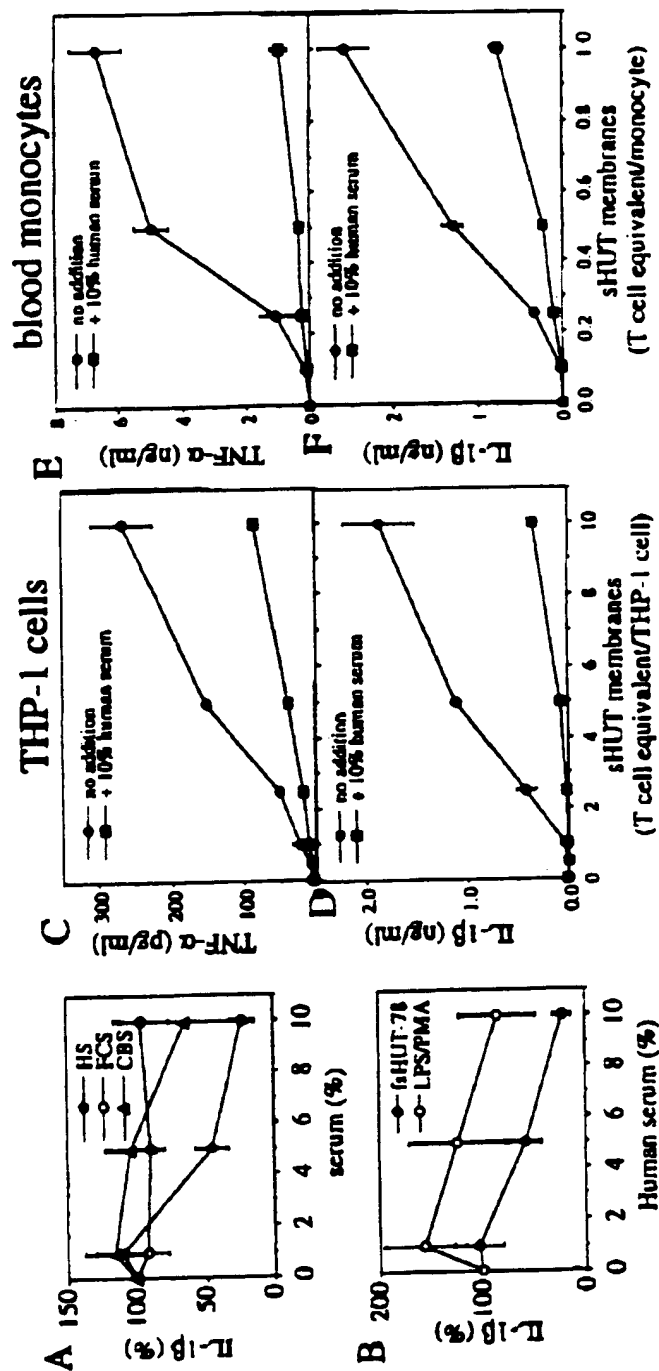


Fig. 4

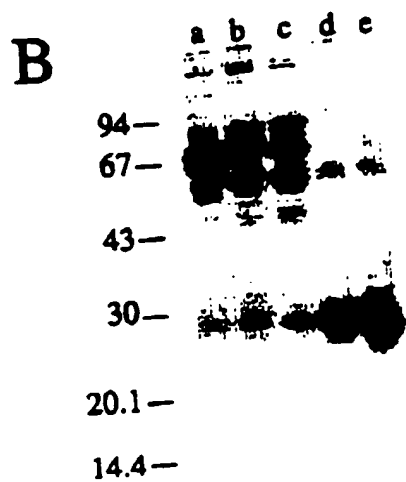
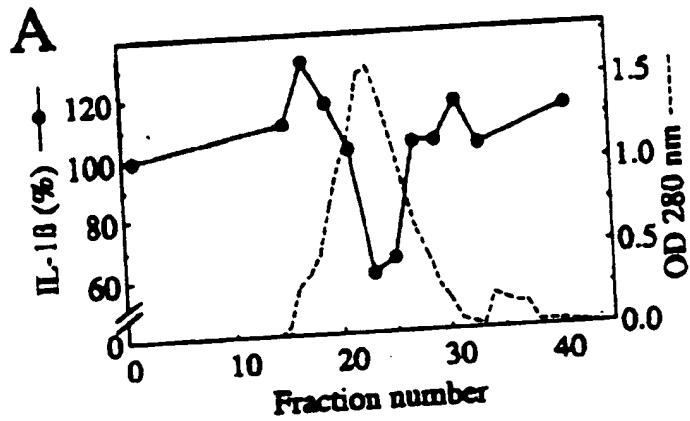


Fig. 5

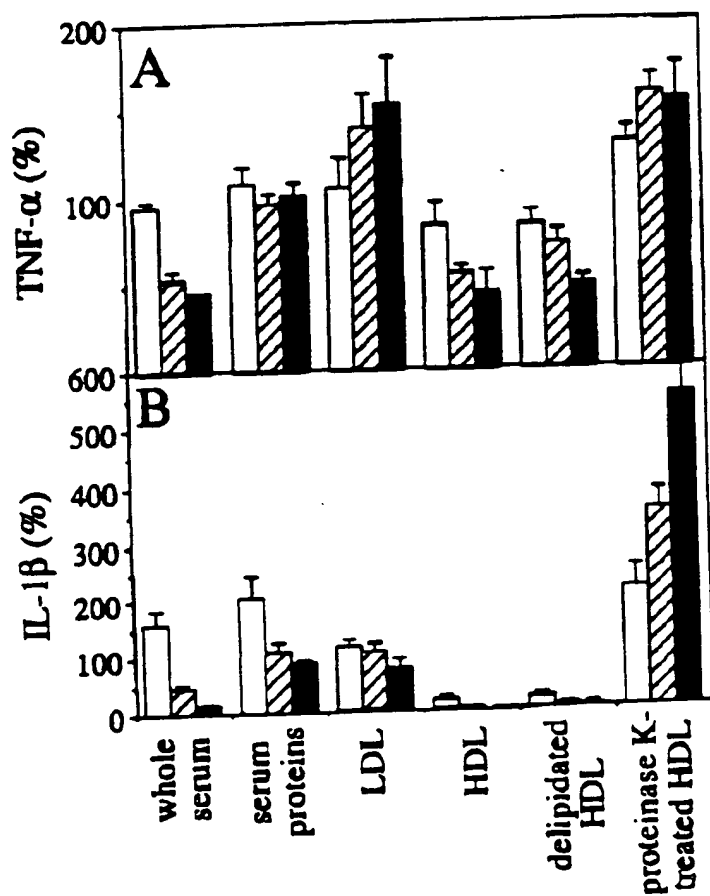


Fig. 6

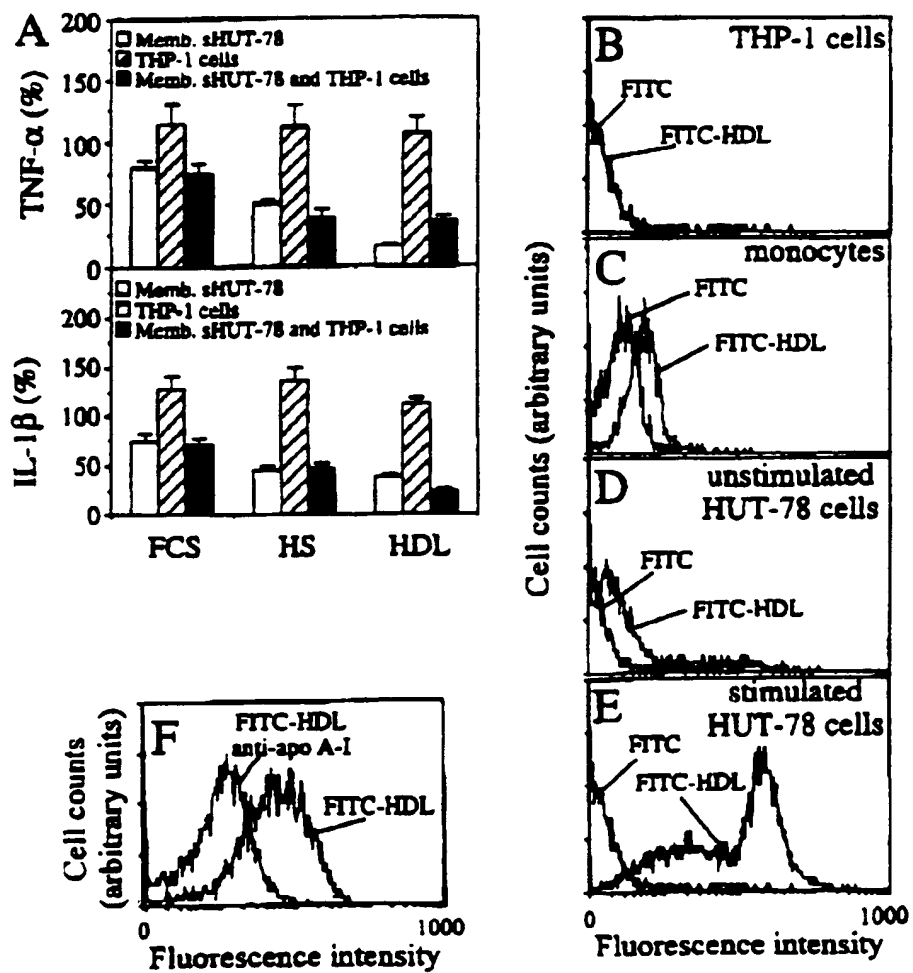


Fig. 7

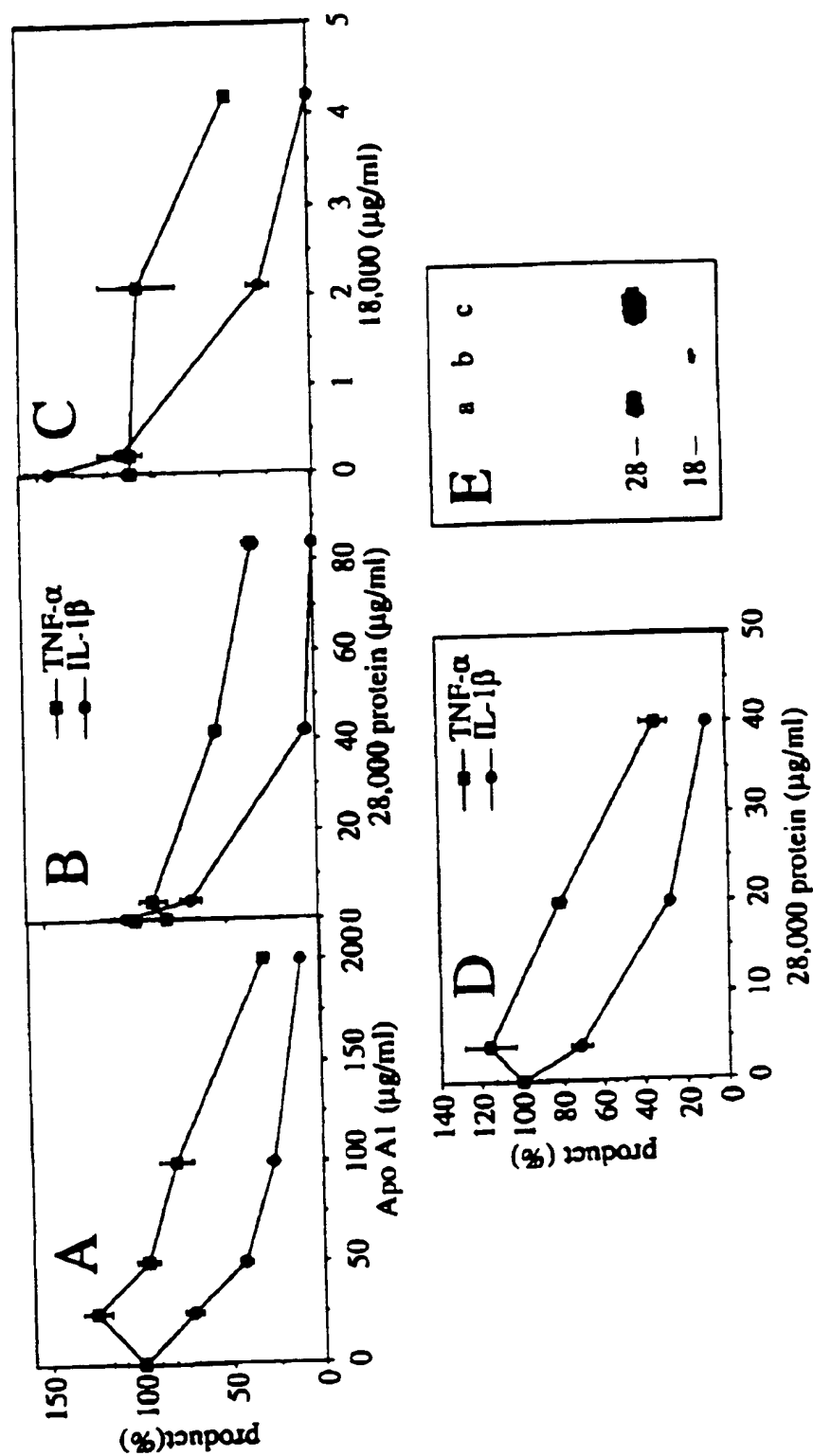


Fig. 8

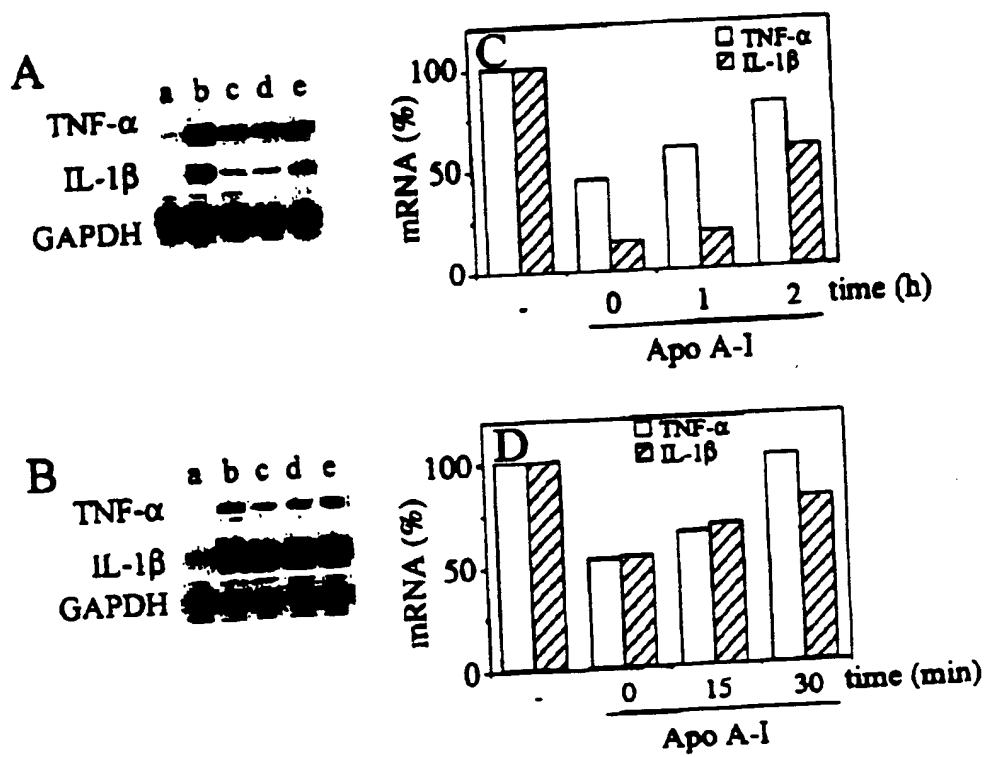


Fig. 9

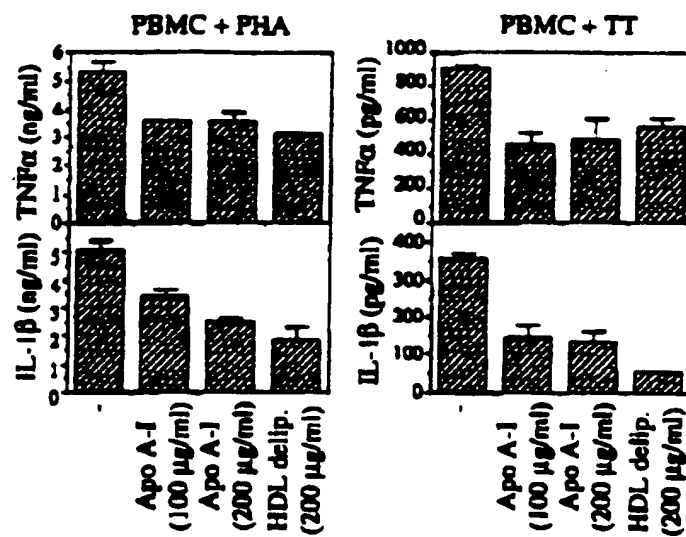


Fig. 10

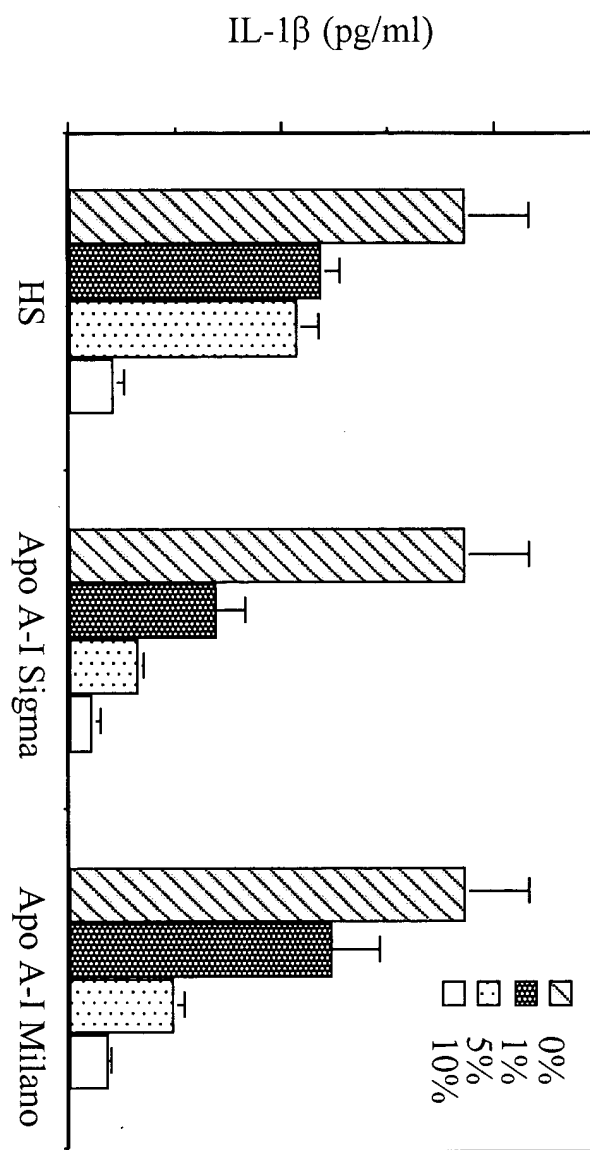


Fig. 11

